



Image may be representation.
See specifications for product details.



STM32F413RHT6

Manufacturer Part Number	STM32F413RHT6
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STM32F413RHT6
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 1.5MB FLASH 64LQFP
Package	64-LQFP
Data sheet	STM32F413RHT6.pdf
RoHs Status	ROHS3 Compliant

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Specifications

STM32F413RHT6 Tech Specifications

STM32F413RHT6 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	50
Speed	100MHz	Mounting Type	Surface Mount
Series	STM32F4	EEPROM Size	-
RAM Size	320K x 8	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1.5MB (1.5M x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SDIO, QSPI, SAI, SPI, UART/USART, USB OTG
Package / Case	64-LQFP	Base Product Number	STM32F413
Package	Tray		

Parts with Similar Specifications

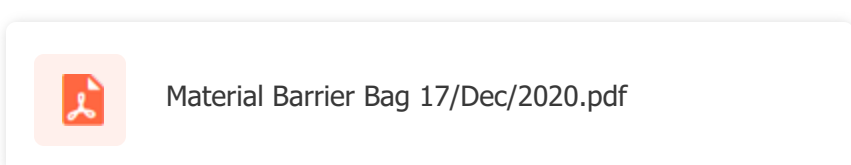
The three parts on the right have similar specifications to STMicroelectronics STM32F413RHT6

Product Attribute				
Part Number	STM32F413RHT6	STM32F413VGT6TR	STM32F413VHH6	STM32F413ZHT6
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Package	Tray	Tape & Reel (TR)	Tray	Tray
RAM Size	320K x 8	320K x 8	320K x 8	320K x 8
Supplier Device Package	64-LQFP (10x10)	100-LQFP (14x14)	100-UFBGA (7x7)	144-LQFP (20x20)
EEPROM Size	-	-	-	-
Program Memory Size	1.5MB (1.5M x 8)	1MB (1M x 8)	1.5MB (1.5M x 8)	1.5MB (1.5M x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	100MHz	100MHz	100MHz	100MHz
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SDIO, QSPI, SAI, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SDIO, QSPI, SAI, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SDIO, QSPI, SAI, SPI, UART/USART, USB OTG	CANbus, EBI/EMI, I ² C, IrDA, LINbus, MMC/SDIO, QSPI, SAI, SPI, UART/USART, USB OTG
Peripherals	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I ² S, LCD, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V	1.7V ~ 3.6V
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Number of I/O	50	81	81	114
Base Product Number	STM32F413	STM32F413	STM32F413	STM32F413
Series	STM32F4	STM32F4	STM32F4	STM32F4
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package / Case	64-LQFP	100-LQFP	100-UFBGA	144-LQFP

STM32F413RHT6 Datasheet PDF

Download STM32F413RHT6 pdf datasheets and STMicroelectronics documentation for STM32F413RHT6 - STMicroelectronics.

PCN Packaging



PCN Assembly/Origin



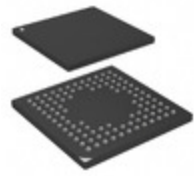
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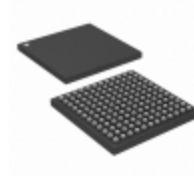
STM32F413VHH6

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IC MCU 32BIT 1.5MB FLSH 100UFBGA



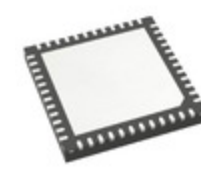
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IC MCU 32BIT 1.5MB FLASH 144LQFP



STM32F412ZGJ6TR

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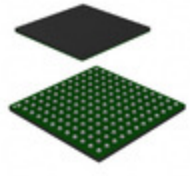
STM32F413CGU6

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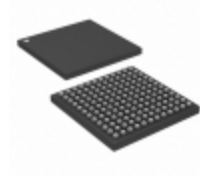
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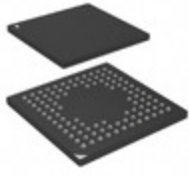
STM32F412VGT6

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STM32F412ZGJ6

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IC MCU 32BIT 1MB FLASH 144UFBGA



STM32F413VGH6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100UFBGA



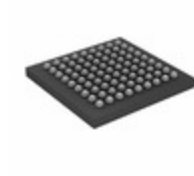
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IC MCU 32BIT 1MB FLASH 64LQFP



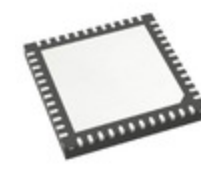
STM32F412ZET6

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IC MCU 32BIT 512KB FLASH 144LQFP



STM32F413MGY6TR

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IC MCU 32BIT 1MB FLASH 81WLCSP



STM32F413CHU6

STMicroelectronics
IC MCU 32BIT 1.5MB FLSH 48UFQFPN



STM32F413VGT6

STMicroelectronics
IC MCU 32BIT 1MB FLASH 100LQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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